

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/576,094A
Source: IFWO
Date Processed by STIC: 02/23/2007

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IFWO

RAW SEQUENCE LISTING

DATE: 02/23/2007

PATENT APPLICATION: US/10/576,094A

TIME: 15:34:17

Input Set : F:\22336-Sequence Listing.txt

Output Set: N:\CRF4\02232007\J576094A.raw

3 <110> APPLICANT: Roche Molecular Systems
 5 <120> TITLE OF INVENTION: Method for Distinguishing CBF-Positive AML Subtypes from
 6 CBF-Negative AML Subtypes
 8 <130> FILE REFERENCE: 22336-US
 10 <140> CURRENT APPLICATION NUMBER: US 10/576,094A
 C--> 11 <141> CURRENT FILING DATE: 2006-04-13
 13 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/012474
 14 <151> PRIOR FILING DATE: 2003-11-04
 16 <160> NUMBER OF SEQ ID NOS: 239
 18 <170> SOFTWARE: PatentIn version 3.4
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 491
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 26 <220> FEATURE:
 27 <221> NAME/KEY: misc_feature
 28 <223> OTHER INFORMATION: n = any nucleotide
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 33 aagaaacaga aactggctc aaagaaaagc aataaaaata agagtggcaa gaaccagttt 120
 35 aacagaggtg gtggccatag aggacgtgga ggattcaata tgcgtgggtg aaatttcaga 180
 37 ggaggagccc ctgggaatcg tggcggatat aataggaggg gcaacatgcc acagagaggt 240
 39 ggtggcgggt gaggaagtgg tggaaatcggc tatccatacc ctctgtcccc tgtttttcct 300
 41 ggccgtggtg gttactcaaa cagagggaac tacaacagag gtggaatgcc caacagaggg 360
 43 aactacaacc agaacttcag aggacgagga aacaatcgtg gctacaaaaa tcaatctcag 420
 45 ggctacaacc agtggcagca gggatcaattc tggggtcaga agccatggag tcagcattat 480
 47 caccaaggat a 491
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 51 <211> LENGTH: 307
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Homo sapiens
 55 <400> SEQUENCE: 2
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 58 cgctttctac actgtattac ataaataaat taaataaaat aaccccgggc aagacttttc 120
 60 tttgaaggat gactacagac attaaataat cgaagtaatt ttgggtgggg agaagaggca 180
 62 gattcaattt tctttaacca gtctgaagtt tcatttatga taaaaagaa gatgaaaatg 240
 64 gaagtggcaa tataagggga tgaggaaggc atgcctggac aaacccttct ttttaagatgt 300
 66 gtcttca 307
 69 <210> SEQ ID NO: 3
 70 <211> LENGTH: 519
 71 <212> TYPE: DNA
 72 <213> ORGANISM: Homo sapiens
 74 <400> SEQUENCE: 3

CP9-6)

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75 gtttggaact ttaatagcgt tgcaacgaaa tcctatatcc agtttcctgt aatttaattg      60
77 aagaaaaata catccaaata aagactttat tattaacaga ccagatagca tcagaaatca      120
79 tgtgactggt atgattatca gaatatgtct taacttttta gggcaaagtt aacactgaaa      180
81 gttctagctt aagtgttgaa acttttgtgg gaaaaaaaaa tcacttttga aactcagact      240
83 tcagtgtata cccaataatt taaaattatg tgaaatgttt taaatttgtg aactcgtaat      300
85 tactgtttta atgattcagt ttcttcagag tggttaattgt ataaaattgc tattgcagct      360
87 ttatattcaa tatgatgtgc ctgtaaacca aggagttttc cccgtttgta aaaagacatt      420
89 gtagataatt gaatgtttga ttttagaaag gtcattagtt tcttgttaca cattttgtta      480
91 gtctggtttt tgttgcttat cgggtttaat attgttctt      519
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 140
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 4
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102 tctattctct aaataatgat ggggctaagt tatacccaaa gtcacttta caaaatattt      120
104 cctcagtact ttgcagaaaa      140
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 425
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 5
113 gtcatatcat ttcactgtct aggcataaac aggattctag gtggagggtg tgcattgtgt      60
115 cctttttatc tgatctgtga ttaaagcagt aatattttta gatggactgg gaaaaacatc      120
117 aactcctgaa gttagaaata agaatggttt gtaaaatcca cagctatata ctgatgctgg      180
119 atggtattaa tcttggttag tcttcaactg gttagtgtga aatagttctg ccacctctga      240
121 cgcaccactg ccaatgctgt acgtactgca tttgccctt gagccagggt gatgtttacc      300
123 gtgtgttata taacttctg gtccttcac tgaacatgcc tagtccaaca ttttttccca      360
125 gtgagtcaca tctgggac cagtgtataa atccaatata atgtcttctg cataattctt      420
127 ccaaa      425
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131 <211> LENGTH: 454
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133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 6
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138 gtgggtgtct tgtgtccgct tctcgcccaa cagcagcaac cctatcatcg tctcctgtgg      120
140 ctgggacaag ctggtcaagg tatggaacct ggctaactgc aagctgaaga ccaaccacat      180
142 tggccacaca ggctatctga acacggtgac tgtctctcca gatggatccc tctgtgcttc      240
144 tggaggcaag gatggccagg ccattgttat ggatctcaac gaaggcaaac acctttacac      300
146 gctagatggt ggggacatca tcaacgccct gtgcttcagc cctaaccgct actggctgtg      360
148 tgctgccaca ggccccagca tcaagatctg ggatttagag ggaaagatca ttgtagatga      420
150 actgaagcaa gaagttatca gtaccagcag caag      454
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 373
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 7
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161 agggacggag ccggactgga catggctact cagtaccgcc tgcagtgtcg ccatgactga      120
163 tcatggctct tgcatttttg ggtaaatgga gacttcggga tcctgtcagg gtgtccccc      180
165 tgcctggaag aggagctggt ggctgccagc cctggcggcg gcacagcctg ggccctccct      240
167 tccctcaagc cagggctcct cctcctgtcg tgggtcatt tgccaggctc aggccaggctc      300
169 tggacagctg tgactctcct caagccagga ctaccgacca gccggctatg ggcacattac      360
171 gtgaccactg gcc
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175 <211> LENGTH: 494
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 8
180 agtgcgcgaca ggacgggtcat tgattacaac ggggaacgca cgctggatgg ttttaagaaa      60
182 ttcctagaga gcggtggcca agatggggca ggggatgttg acgacctga ggacctgaa      120
184 gaagcagagg agccagacat ggaggaagac gatgaccaga aagctgtgaa agatgaactg      180
186 taatacgcaa agccggaccc gggcgctgcc gagaccctc gggggctgca caccagcag      240
188 cagcgcacgc ctccgaagcc tgcggcctcg cttgaaggag ggcgtcgccg gaaacccaag      300
190 gaacctctct gaagtgcac ctcacccta cacaccgtc gttcacccc gtctcttct      360
192 tctgcttttc ggtttttgga aaaccggat cctactctag gcagcccacc ttggtgggct      420
194 tgtttcctga aaccatgatg tactttttca tacatgagtc tgtccagagt gcttgctacc      480
196 gtgttcggag tctc
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 434
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 9
205 cctacttcgg tatctatgac actgcaaagg gaatgcttcc ggatcccaag aacactcaca      60
207 tcgtcatcag ctggatgatc gcacagactg tcaactgtgt tgccggggtg acttctatc      120
209 catttgacac cgttcgccgc cgcattgatga tgcagtcagg gcgcaaagga actgacatca      180
211 tgtacacagg cacgcttgac tgetggcgga agattgtctg tgatgaagga ggcaaagctt      240
213 ttttcaaggg tgcattgtcc aatgtttctc gaggcattgg ttggtgtttt gtgcttgtct      300
215 tgtatgatga aatcaagaag tacacataag ttatttctta ggatttttcc cctgtgaac      360
217 aggcattgtt tattctataa cacaattctt agcattcttg acagactcct ggctgtcagt      420
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222 <210> SEQ ID NO: 10
223 <211> LENGTH: 416
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
227 <400> SEQUENCE: 10
228 gttggttcaa acttttggga gcacggactg tcagttctct ggggaagtgg cagcgcattc      60
230 tgcagggtct ctctctctct gtcttttggga gaaccagggc tcttctcagg ggctctaggg      120
232 actgccaggc tgtttcagcc aggaaggcca aaatcaagag tgagatgtag aaagttgtaa      180
234 aatagaaaaa gtggagttgg tgaatcggtt gttctttcct cacatttgga tgattgtcat      240
236 aagggtttta gcatgttctt ccttttcttc accctccctt ttgttcttct attaataaag      300
238 agaaacttca aagttaatgg gatggctgga tctcacaggc tgagaactcg ttcacctcca      360
240 agcatttcat gaaaaagctg cttcttatta atcatacaaa ctctcaccat gatgtg      416
243 <210> SEQ ID NO: 11
244 <211> LENGTH: 415
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens

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251 agaccgatata gtcaaaatta agcgtaactg gcggaaaccc agaggcattg acaacagggg      120
253 tcgtagaaga ttcaagggcc agatcttgat gcccaacatt gggtatggaa gcaacaaaaa      180
255 aacaaagcac atgctgcccc gtggcttcgc gaagttcctg gtccacaacg tcaaggagct      240
257 ggaagtgtct ctgatgtgca acaaacttta ctgtgccgag atcgctcaca atgtttcctc      300
259 caagaaccgc aaagccatcg tggaaagagc tgcccaactg gccatcagag tcaccaaccc      360
261 caatgccagg ctgctgcagt aagaaaatga gtaggcagct catgtgcacg ttttc      415
264 <210> SEQ ID NO: 12
265 <211> LENGTH: 423
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 12
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272 aaggaaaaaa agaaaaaac cttatctctt gcccttattt tgaattttcc actctttcat      120
274 taatttgttt taagctcctg ttggaaaaaa aggggtagtg cattttaaat tgaccttcat      180
276 acgcttttaa aataagacaa atctacttga taatgtacct ttatttgatc tcaagttgta      240
278 taaaaccaat aaatttggtg tactgcagta gtaatcttat gcacacgggtg atttcatggt      300
280 atatatgcaa agtaggcaac tgttttctta gttacagaag tttcaagctt cacttttggt      360
282 cagtagaaac aaaagtaggc tacagtctgt gccatgttga tgtacagttt ctgaaattgt      420
284 ttt      423
287 <210> SEQ ID NO: 13
288 <211> LENGTH: 358
289 <212> TYPE: DNA
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 13
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295 aaaagacaga agccttgact tctgctaagc ggtacatcga gacggacca gccaatcggt      120
297 atcggcggac gcccatcacc gtggtgaagc aaggtcttga gcctccctcc tttgtgggt      180
299 ggttccttggt ctgggatgat gattactggt ctgtggaccc cttggacagg gccatggctg      240
301 agctggctgc ctgaggaggg gcagggccca ccatgtcac cggtcagtgc cttttggaac      300
303 tgtccttccc tcaaagaggg cttagagcga gcagagcagc tctgctatga gtgtgtgt      358
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307 <211> LENGTH: 529
308 <212> TYPE: DNA
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 14
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314 gggaaagaag ctgagtttgc cagcataagt gccaaagacc atcaccagca tctgtccttc      120
316 aggggtgctc gacagaattc ttaccacagc aaaggcataa gatgcttgat acggaaaatc      180
318 agaaacttaa ctcttttggt gcagatagtc atcagtggct ctgtaaaac gcagaggaaa      240
320 agagccagaa ggtttctggt taatgcatct tgccttatct tttttatta ctgtgtacaa      300
322 agattttttt acacaaagaa acttaatgct gtattaataa attcagtgtg tagcttcaat      360
324 tgggatagtt ccaaagtgga agattttgtg aggaataagt gcaaattttt tttttatttt      420
326 aaaaaattct ttgaaactct taagtctttg tgtctgcaat gaaattgtac tccttgacag      480
328 ttgatagatt atgtattctt ccacccctca aacttgcatt ccactatat      529
331 <210> SEQ ID NO: 15
332 <211> LENGTH: 529
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334 <213> ORGANISM: Homo sapiens
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341 tatccgggtg cggctccacc ccttccacgt catccgcac aacaagatgt tgtcctgtgc      180
343 tggggctgac aggtccaaa caggcatgag aggtgccttt ggaaagcccc agggcactgt      240
345 ggccagggtt cacattggcc aagttatcat gtccatccgc accaagctgc agaacaagga      300
347 gcatgtgatt gaggccctgc gcagggccaa gttcaagttt cctggccgcc agaagatcca      360
349 catctcaaag aagtggggct tcaccaagtt caatgctgat gaatttgaag acatgggtggc      420
351 tgaaaagcgg ctcatccag atggctgtgg ggtcaagtac atccccagtc gtggccctct      480
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356 <210> SEQ ID NO: 16
357 <211> LENGTH: 393
358 <212> TYPE: DNA
359 <213> ORGANISM: Homo sapiens
361 <400> SEQUENCE: 16
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364 gtgggctgct ctgttcataa gggctttgcc ttcggtcagt atgttaatga gagaaatgcc      120
366 cgggctgctg tagcaggaga ggatggcaga atgattgctg gccaggtttt agatattaac      180
368 ctggctgcag agccaaaagt gaaccgagga aaagcagggtg tgaaacgac tgcagcggag      240
370 atgtacggct cctcttttga cttggactat gactttcaac gggactatta tgataggatg      300
372 tacagttacc cagcacgtgt acctcctcct cctcctattg ctcggtgtgt agtgccctcg      360
374 aaacgtcagc gtgtatcagg aaacacttca cga      393
377 <210> SEQ ID NO: 17
378 <211> LENGTH: 496
379 <212> TYPE: DNA
380 <213> ORGANISM: Homo sapiens
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387 cttttaagtt tagccccaat atagggtaat ggaaatttcc tgccctctgg gttccccatt      180
389 tttactatta agaagaccag tgataattta ataatgccac caactctggc ttagttaagt      240
391 gagagtgtga actgtgtggc aagagagcct cacacctcac taggtgcaga gagcccaggc      300
393 cttatgttaa aatcatgcac ttgaaaagca aaccttaatc tgcaaagaca gcagcaagca      360
395 ttatacggtc atcttgaatg atccctttga aatttttttt ttgtttgttt gtttaaatca      420
397 agcctgaggg tgggtgaacag tagctacaca cccatattgt gtgttctgtg aatgctagct      480
399 ctcttgaatt tggata      496
402 <210> SEQ ID NO: 18
403 <211> LENGTH: 534
404 <212> TYPE: DNA
405 <213> ORGANISM: Homo sapiens
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410 tccaggcagc caagaacttg atgaatgctg tgggtgcagac agtgaaggca tcctacgtcg      120
412 cctctaccaa ataccaaaag tcacagggtg tggcttccct caaccttccct gctgtgtcat      180
414 ggaagatgaa ggcaccagag aaaaagccat tgggtgaagag agagaaacag gatgagacac      240
416 agaccaagat taaacgggca tctcagaaga agcacgtgaa cccgggtgcag gccctcagcg      300
418 agttcaaagc tatggacagc atctaagtct gcccaggccg gccgccccca cccctcgggg      360
420 ctctgaata tcagtcactg ttcgtcactc aaatgaattt gctaaatata acactgatac      420

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; N Pos. 174,389
Seq#:32; N Pos. 36
Seq#:33; N Pos. 105,112,127,141
Seq#:40; N Pos. 35
Seq#:55; N Pos. 34,104,141,152,174,177,197,202,204,206,232,235,244,271,303
Seq#:55; N Pos. 312,315,349,354,384,389,400,407,415,423,499
Seq#:72; N Pos. 37,177
Seq#:86; N Pos. 297,298
Seq#:96; N Pos. 321,322
Seq#:122; N Pos. 231
Seq#:124; N Pos. 287
Seq#:156; N Pos. 277
Seq#:160; N Pos. 76
Seq#:163; N Pos. 66
Seq#:165; N Pos. 190,191,192,194,195,196,197,198,199,200,308
Seq#:191; N Pos. 182,475,514,515
Seq#:209; N Pos. 148
Seq#:216; N Pos. 57,58,59,183,303,305,316,389,404

VERIFICATION SUMMARY

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120
M:341 Repeated in SeqNo=26
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
M:341 Repeated in SeqNo=33
L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
M:341 Repeated in SeqNo=55
L:1684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
M:341 Repeated in SeqNo=72
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:300
L:2836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:180
L:2894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:240
L:3644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:240
L:3744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:60
L:3825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:60
L:3881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:180
M:341 Repeated in SeqNo=165
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180
M:341 Repeated in SeqNo=191
L:4947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:120
L:5124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
M:341 Repeated in SeqNo=216